

Abstract

A thermal conducting material with higher thermal conductivity for a given low viscosity is shown. Carbon fibers are added to the thermal grease to promote thermal conductivity. The carbon fibers are also not highly electrically conductive, reducing the danger of short circuiting due to misapplication of the thermal grease. Due to the high thermal conductivity of the carbon
5 fibers, a lower loading percentage is needed to obtain significant gains in thermal conductivity. The low loading percentages in turn permit lower thermal grease viscosity, which allows the thermal grease to be spread very thin during application.

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